To: CN=Glenn Suter/OU=CI/O=USEPA/C=US@EPA;RGrismala@icfi.com;CN=Phil

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Cc: CN=Kate Schofield/OU=DC/O=USEPA/C=US@EPA[]

Bcc: []

From: CN=Jeff Frithsen/OU=DC/O=USEPA/C=US

Sent: Thur 10/25/2012 7:16:41 PM

Subject: Fw: two presentations that might be of use in Pebble analysis

http://www.mtech.edu/mwtp/conference/2012 presentations/Warren%20McCullough.pdf http://www.mtech.edu/mwtp/conference/2012 presentations/Dave%20Williams.pdf

<u>Hotspot</u>

bgestring@earthworksaction.org

Hotspot

earthworksaction.org

nodirtygold.org

sharing.....

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----- Forwarded by Jeff Frithsen/DC/USEPA/US on 10/25/2012 03:16 PM -----

From: Palmer Hough/DC/USEPA/US

To: Kate Schofield/DC/USEPA/US@EPA, Jeff Frithsen/DC/USEPA/US@EPA

Cc: Rebecca Aicher/DC/USEPA/US@EPA

Date: 10/25/2012 02:26 PM

Subject: Fw: two presentations that might be of use in Pebble analysis

Kate/Jeff:

These are interesting presentations. Can you share them with the right folks on the team. I cc'ed Rebecca Aicher b/c of the climate change references.

-P

Palmer Hough, Environmental Scientist tel: 202.566.1374 | fax: 202.566.1375

Wetlands Division U.S. EPA Headquarters (MC 4502T) 1200 Pennsylvania Avenue, NW Washington, DC 20460 www.epa.gov/wetlands ---- Forwarded by Palmer Hough/DC/USEPA/US on 10/25/2012 02:25 PM -----

To: Palmer Hough/DC/USEPA/US@EPA, Kate Schofield/DC/USEPA/US@EPA

Date: 10/25/2012 12:58 PM

Subject: re: two presentations that might be of use in Pebble analysis

Hi Palmer and Kate,

I thought these two presentations might be of interest to you as you consider the potential for various failure modes at Pebble.

These are two recent presentations at a mining conference in Butte, MT on the effects of climate change/extreme storm events on mining. One is by the head of Montana's hardrock mine permitting program, and the other is from the BLM. My personal favorite, the title of BLM's presentation "Climate Change/Extreme Conditions: Do Plans of Operations Need to Include an Ark?

Both have excellent photos and make excellent points about the inadequacy of industry norms in relation to climate change.

Things to keep in mind when thinking of storing billions of tons of mine waste in watershed.

http://www.mtech.edu/mwtp/conference/2012_presentations/Warren%20McCullough.pdf

http://www.mtech.edu/mwtp/conference/2012_presentations/Dave%20Williams.pdf

Best Bonnie Gestring

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